



Educational Resources in Support of the Professional Development of Teachers in Mathematics and IT

International UNESCO conference QED'17: Children in the digital era

September 21, 2017, Sofia, Bulgaria

Abstract

Courses and resources in support of the professional development of teachers in mathematics and IT as well as of primary teachers with emphasis on the inquiry based learning (IBL) in a computer environment will be presented. The role of the Institute of Mathematics and Informatics at the Bulgarian Academy of Science (IMI-BAS, <http://math.bas.bg/>) as member of the European Network of Science, TEchnology and Mathematics Professional Development Centres (STEM PD Net, <http://stem-pd-net.eu/en/>) and as a National contact point of the Scientix project (<http://www.scientix.eu/>) will be discussed.

The goal is to raise the awareness of educators and policy makers about these courses and resources (<http://course.cabinet.bg/>, <http://cabinet.bg/>) being developed by the Department of Education in Mathematics and Informatics at IMI-BAS in support of innovative educational strategies in a national and European context.

Target audience

Teachers and school principals

Duration

1 hour and a half

Goals

To raise the awareness of educators and policy makers about the existing courses and resources in support of innovative educational strategies being developed and promoted by the Institute of Mathematics and Informatics at the Bulgarian Academy of Science (IMI-BAS) in a national and European context. The role of IMI-BAS as member of the European Network of Science, TEchnology and Mathematics Professional Development Centres (STEM PD Net) and as a National contact point of the Scientix project will be discussed.

Format of the workshop

Interactive presentation, demonstration, hand-on activities



Preliminary schedule

9:30 – 10:00	Introduction of the PD courses organized by IMI-BAN and the relevant resources. Presenting work with teachers in the frames of the contract between BAS and the Council of Ministers - ПМС №347, т.5 в) от 08.12.2016 г. , activity „Introducing contemporary methods in education and work with young talents”	P. Kenderov, T. Chehlarova, E. Sendova
10:00 – 11:00	Hands-on activities related to specific topics of the PD courses	

Note:

Using your own mobiles/laptops would facilitate the practice session.

Expected outputs

Presenting courses and resources in support of the professional development of teachers in mathematics and IT with emphasis on the inquiry based learning, experiencing mathematics as a natural component of the STEM education.